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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of )  
HARTLEY, et al. )  
Serial No. 10/517,674 )  
Filed December 6, 2004 )  
Patent No. 7,489,107 )  
Issued February 10, 2009 )  
For OPTIMAL BATTERY CHARGING )  
FOR DAMAGE MITIGATION )

Group Art Unit Unknown  
Confirmation No. 1930

CERTIFICATE OF MAILING  
VIA FIRST CLASS MAIL

I hereby certify that this correspondence was deposited with the United States Postal Service as First Class Mail addressed to: Mail Stop: Certificate of Corrections, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on March 34, 2009.

Lynn Browning  
Lynn Browning, Sec'y to Joseph J. Crimaldi, Esq.

TRANSMITTAL SHEET

Enclosed are the following documents:

Certificate of Correction (*in duplicate*)

Certificate of Correction Letter to PTO

Return Receipt Postcard

AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

The Director is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 50-0959. Please use Reference No. UA.439 when charging the deposit account.

Respectfully submitted

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March 34, 2009  
1581340 v\_01 \ 089498.0439

Certificate  
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of Correction

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Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Re:** U.S. Patent Application Serial No. 10/517,674 entitled  
"OPTIMAL BATTERY CHARGING FOR DAMAGE  
MITIGATION", now U.S. Patent No. 7,489,107

Sir(s):

We are enclosing the duplicate Form PTO/SB/44 for Certificate of Correction in the above-referenced patent. The following errors appear in the patent based on the referenced areas in the application file.

In the claims, claim 1,4, 15 & 17, "hybrid cell model approach" should read "hybrid cell-modeling approach; and Claim 11, "and aid estimated" should read "and an estimated".

Inasmuch as the errors listed above originated during printing, no fee is believed due with the filing of this document. Nonetheless, in the event that a fee required for the filing of this document is missing or insufficient, the undersigned attorney hereby authorizes the Commissioner to charge payment of any fees associated with this communication or to credit any overpayment to Deposit Account No. 50-0959. Please use Reference (UA.439).

Respectfully submitted,

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,489,107

APPLICATION NO.: 10/517,674

ISSUE DATE : February 10, 2009

INVENTOR(S) : HARTLEY, T., et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claims 1,4,15 and 17: Change "hybrid cell model approach" to hybrid cell-modeling approach"

Claim 11: Change "and aid estimated" to "and an estimated"

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

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**MAR 10 2009**

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

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ISSUE DATE : February 10, 2009

INVENTOR(S) : HARTLEY, T., et al.

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